

Work Order ID 80399

February-17-12 2:32:33 PM

80399

**PRELIMINARY
ISSUE**

Page 1

Item ID: D4522-10

Accept

N900040100

Setup Start

NS1

Revision ID: PRELHM

Item Name: Vertical Swing Arm

Stop *NS2*

Start Date: 17/02/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 02/03/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals:

Process Plan: M.C.J.

Date: 12/02/12

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start

NR1

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr

Revision Nbr

D4522

PA2

PAB

B

100

0.00

100

Bandsaw

0.00

Jeaspa Bandsaw

Memo

CUT BLANKS 2.3" LONG

0.00

105

105

Outsource5

0.00

Outsource process - Machining

Memo

Issue P/O: 16235

Machine as per Dwg

Possible Supplier: DAN'S PRECISION

SEND BLANKS WITH P/O

Conformity sheet required

CH 12/02/21 (1)

Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 80399

February-17-12 2:32:33 PM

80399

Page 2

Item ID: D4522-10 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: PRELIM Stop ***NS2***
 Item Name: Vertical Swing Arm
 Start Date: 17/02/2012 Start Qty: 1.00 ***1*** Cust Item ID:
 Required Date: 02/03/2012 Req'd Qty: 1.00 ***1*** Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110	Receive & Inspect for Damage & Mat'l Certs	0.00							
110									
Packaging	Memo	0.00							
Packaging	Ensure certificate of conformity is attached								
120	QC6- Inspect dimensions to drawing	0.00							
120									
QC	Memo	0.00							
Quality Control	DIMENSIONAL CHECK,								
130	Identify as per dwg & Stock Location: _____	0.00							
130									
Packaging	Memo	0.00							
Packaging									

12/7/10

*-inspected to PA3
 by
 8/12/11*

(X)

8 12/08/20

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

Work Order ID 80399

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February-17-12 2:32:33 PM

Item ID: D4522-10 Accept *N900040100* Setup Start *NS1*
 Revision ID: PRELIM Stop *NS2*
 Item Name: Vertical Swing Arm
 Start Date: 17/02/2012 Start Qty: 1.00 *1* Cust Item ID:
 Required Date: 02/03/2012 Req'd Qty: 1.00 *1* Customer:
 Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start *NR1*
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

12/19/12

203392

12-08-13

POSITIVE RECALL

EFFECTIVE 12/02/12 AUTH 12

RELEASED 12/08/12 DATE

DAS
16
8-59

inspects to Rev B
Dug

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

February-17-12 2:32:37 PM

Page 1

Work Order ID: 80399

80399

Parent Item: D4522-10

D4522-10

Parent Item Name: Vertical Swing Arm

Start Date: 17/02/2012

Required Date: 02/03/2012

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP REV:A NEW ISSUE 12-02-18 JLM VERIFIED:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4522-10P		Purchased	No				Each	0.0000		1			
D4522-10P									**				
Vertical Swing Arm													
M304B2.000X03.000		Purchased	No				f	6.2000		0.210526			
M304B2 000X03 000									**				
304 BAR 2.000" X 3.000"													
				<u>Location</u>		<u>Loc Qty</u>	<u>Loc Code</u>						
				MAT050		6.2							
				→ 115894		6.2							
										0.210526			

6/24/10 (1)

12/02/12

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

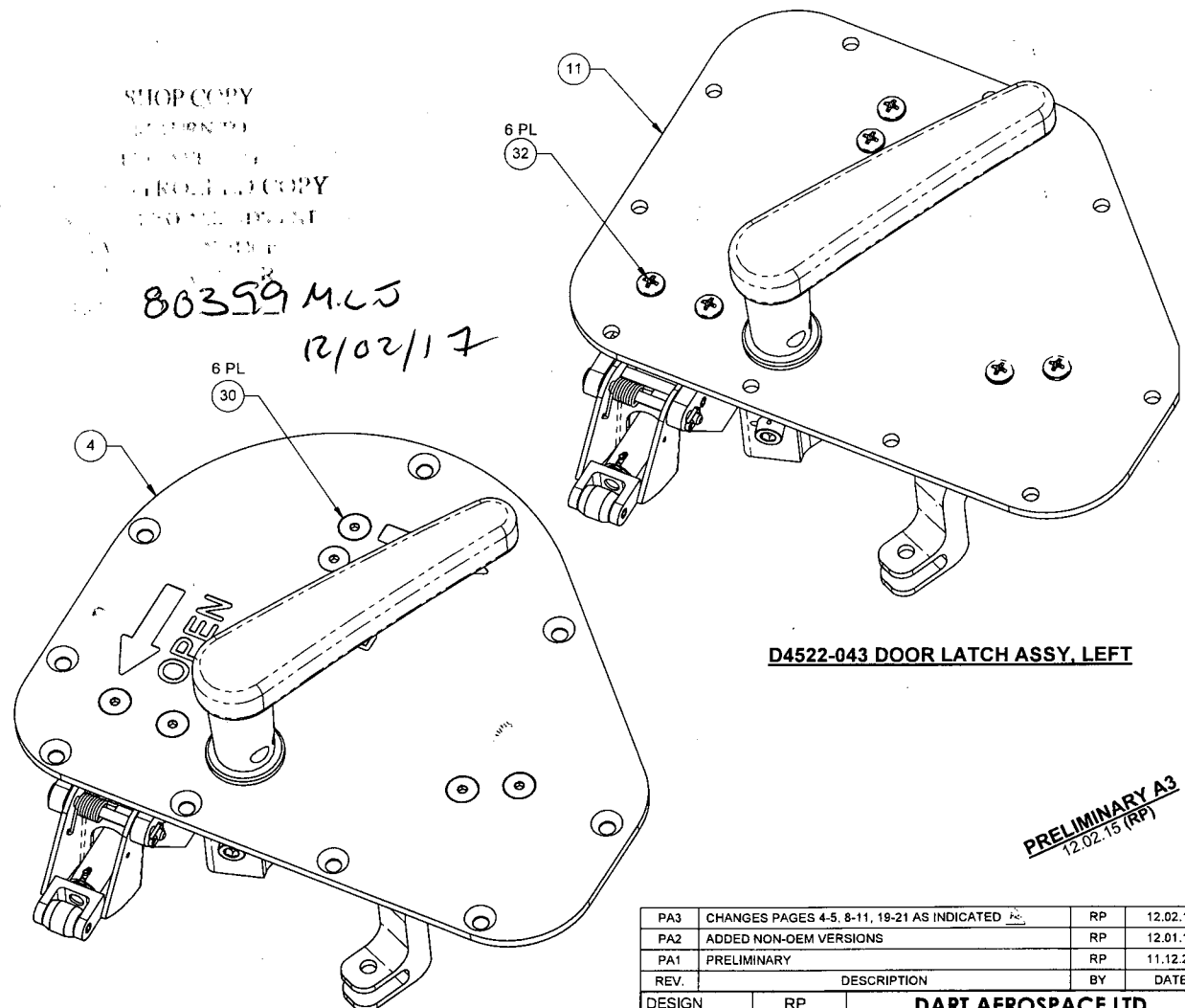
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

ITEM	QTY -041	QTY -043	P/N	DESCRIPTION
	X		D4522-041	DOOR LATCH ASS'Y, LEFT, OEM
		X	D4522-043	DOOR LATCH ASS'Y, LEFT
1	1	1	D4522-045	BASE, HORIZONTAL SWING ARM
2	1	1	D4522-047	BASE, VERTICAL SWING ARM
3	1	1	D4522-049	BASE, LATCH SHAFT
4	1		D4522-1	BASE PLATE, OEM
5	1	1	D4522-11	HANDLE SHAFT ARM
6	1	1	D4522-13	HANDLE SHAFT ADAPTER
7	2	2	D4522-17	LINKAGE
8	2	2	D4522-19	LINKAGE
9	2	2	D4522-21	LINKAGE
10	1	1	D4522-25	LATCH SHAFT
11		1	D4522-31	BASE PLATE
12	1	1	D4522-9	VERTICAL SWING ARM
13	1	1	D4529-041	HORIZONTAL SWING ARM
14	1	1	D4530-041	LATCH ROLLER
15	1	1	D4531-1	LATCH SHAFT BRACKET
16	1	1	D4574	INTERIOR L-HANDLE, MODIFIED
17	1	1	LE045005S	EXTENSION SPRING (LEE SPRING)
18	1	1	MS-20995-C20	LOCK WIRE
19	1	1	MS16562-193	SPRING PIN
20	1	1	MS16562-223	SPRING PIN
21	1	1	MS16562-227	SPRING PIN
22	1	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	1	MS20392-1P41	DRILLED PIN
24	1	1	MS20392-1R27P	DRILLED PIN
25	1	1	MS20392-1R37P	DRILLED PIN
26	4	4	MS20392-1R9P	DRILLED PIN
27	3	3	MS20392-2R41P	DRILLED PIN
28	7	7	MS24665-151	COTTER PIN
29	2	2	MS24665-155	COTTER PIN
30	6		MS24671-14	SCREW, FL-HD, HEX, #8
31	1	1	MS24674-13	DRILLED CAP SCREW, #10
32		6	MS51957-43	SCREW, PN-HD, #8
33	5	5	NAS1149-C-N432-R	FLAT WASHER
34	1	1	NAS42DD628FC	SPACER
35	1	1	T032-180-156L	TORSION SPRING

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: 2.0 lbs
- 8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540
- 9) OEM VERSION DEPICTED IN DRAWING
- 10) SHEETS 22-24 ARE FOR REFERENCE ONLY AND ARE ONLY **RECOMMENDED** ASSEMBLY STEPS



PA3	CHANGES PAGES 4-5, 8-11, 19-21 AS INDICATED	RP	12.02.15
PA2	ADDED NON-OEM VERSIONS	RP	12.01.10
PA1	PRELIMINARY	RP	11.12.21
REV.	DESCRIPTION	BY	DATE
DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 1 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

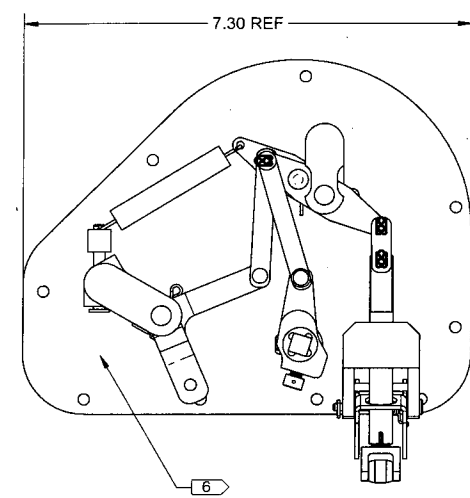
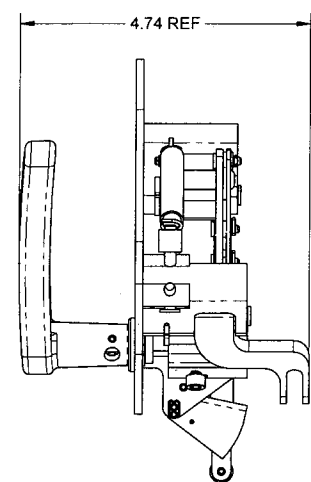
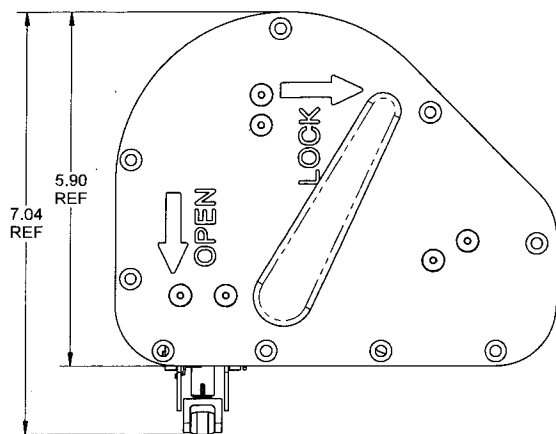
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

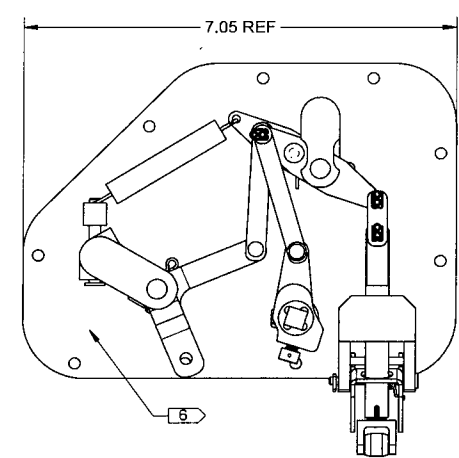
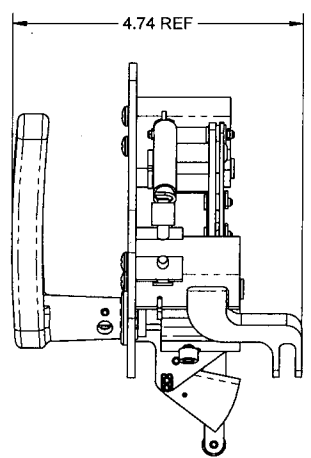
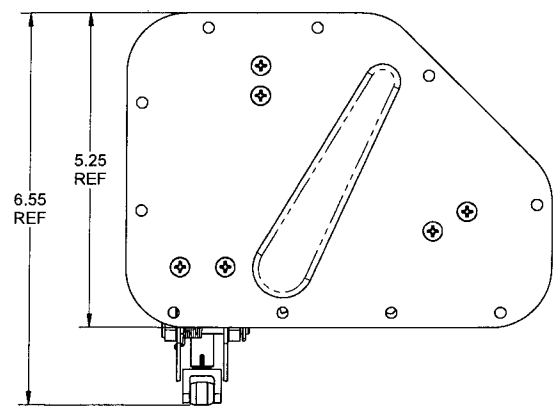
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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



D4522-041 DOOR LATCH ASSY, LEFT, OEM



D4522-043 DOOR LATCH ASSY, LEFT

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 2 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

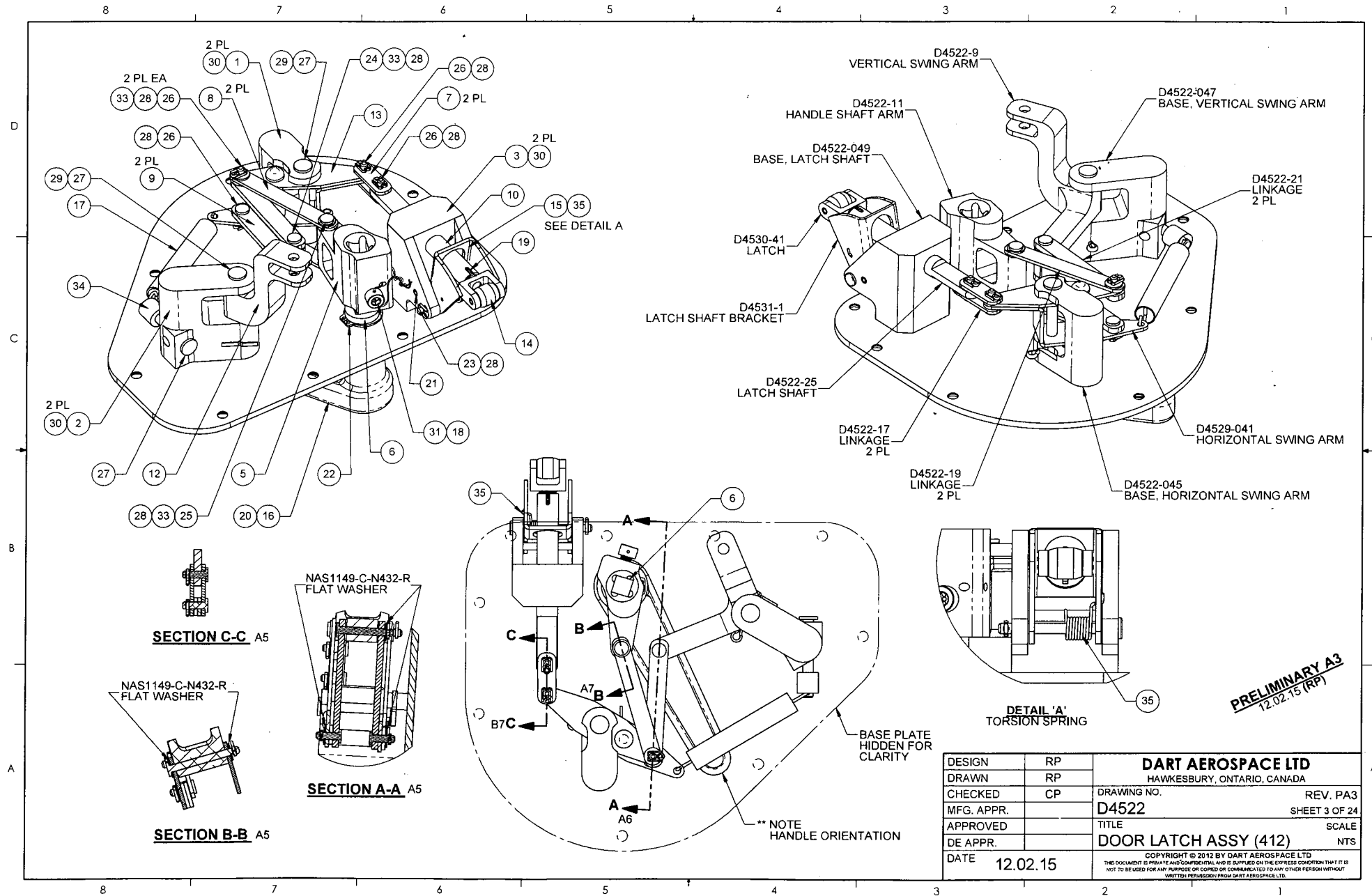
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

[illegible]

- 1) MATERIAL: 6061-T6/T62 ALUMINUM SHEET, .125 THICK
PER AMS 4025 OR AMS 4027 OR ASTM B209
REF M6061T6S.060
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
POWDER COAT GLOSS GREY (4.3.5.15) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: .005 TO .010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6 1
- 7) WEIGHT: 0.4 lbs
- 8) ENGRAVE TEXT AND ARROWS .010" DP IN APPROXIMATE
LOCATION SHOWN
TEXT TO BE APPROX. 0.32 HIGH

PA3

D4522-1 BASE PLATE, OEM

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA
MFG. APPR.		D4522	SHEET 4 OF 2
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	COPYRIGHT © 2012 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS NOT TO BE REPRODUCED OR DISCLOSED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD. IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.</small>	

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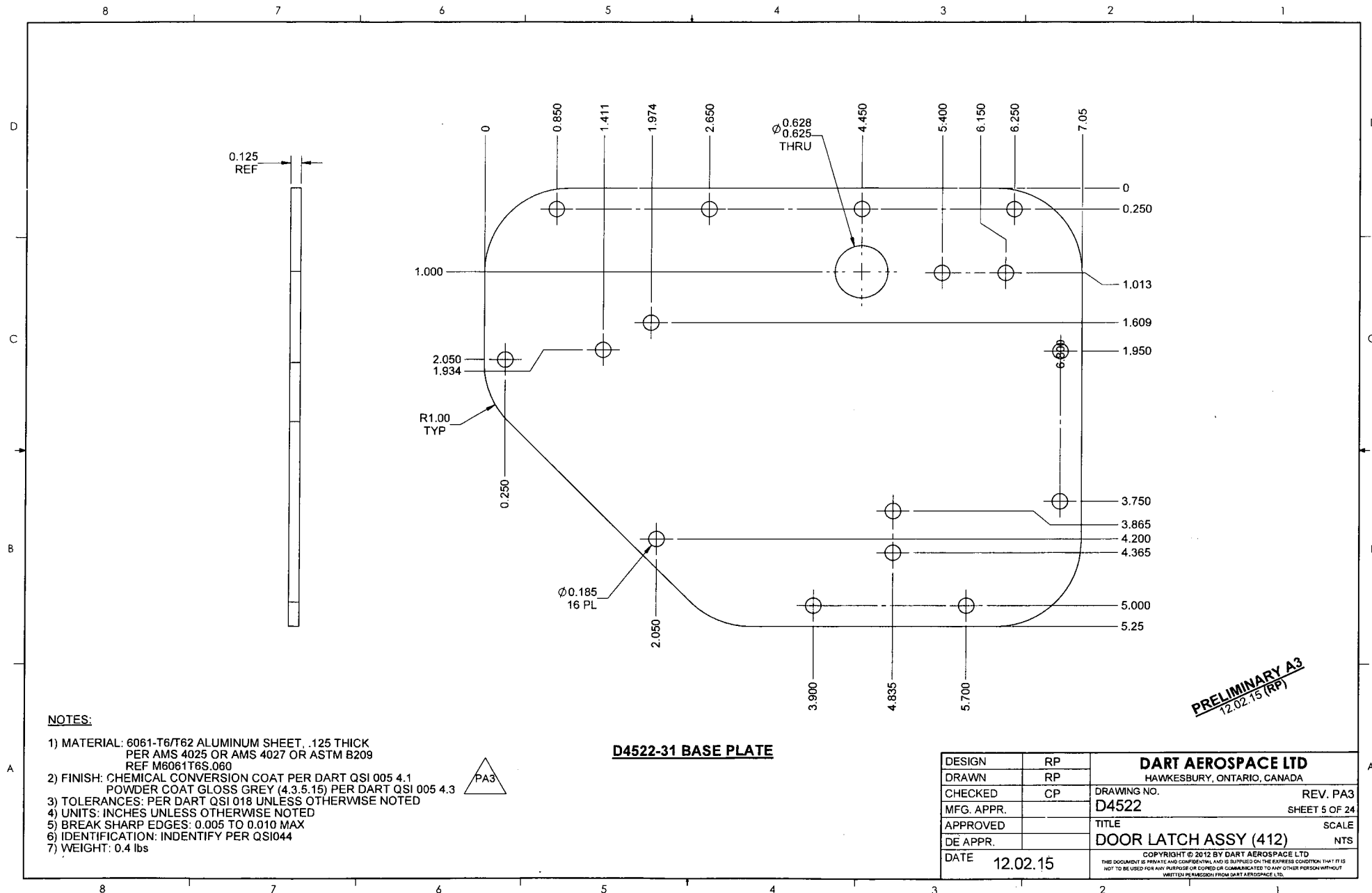
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

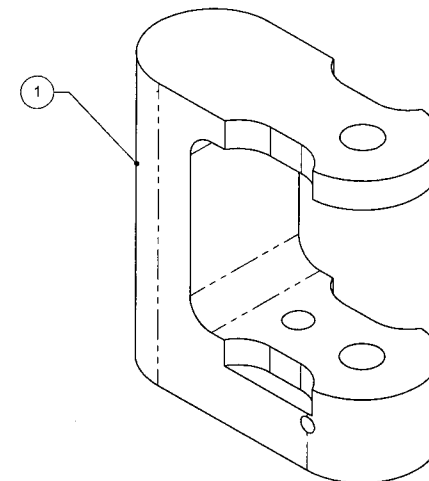
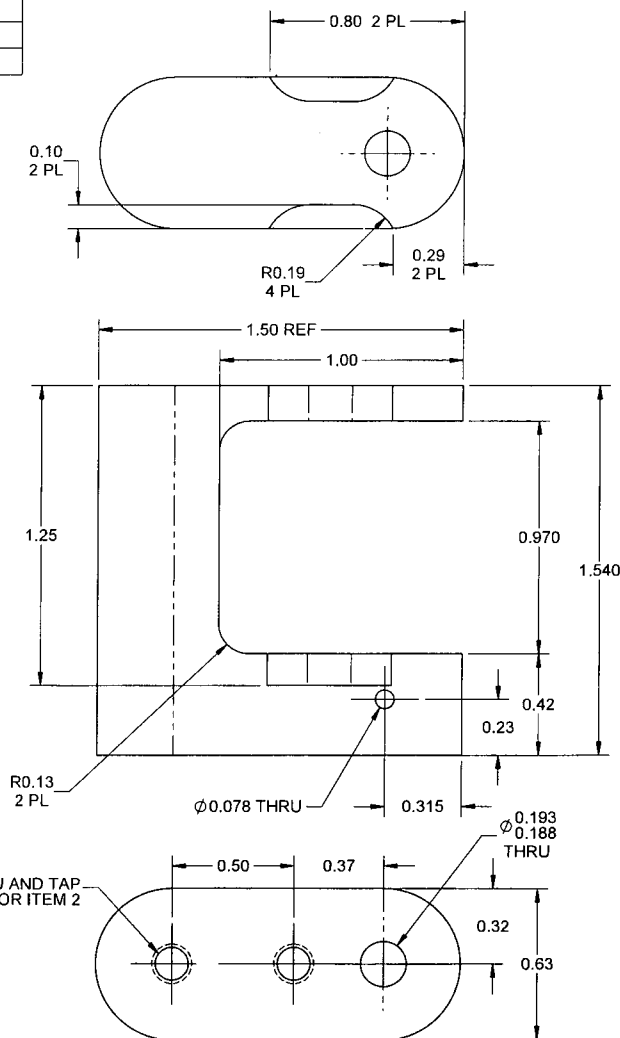
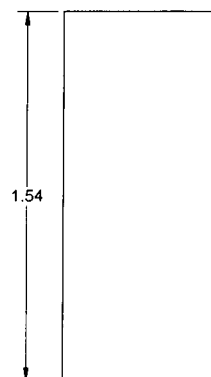
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NOTE: Date & initial all entries

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ITEM	QTY	P/N	DESCRIPTION
1	1	D4522-3	BASE, HORIZONTAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



NOTES:

- 1) MATERIAL: 6061-T6/T62 ALUMINUM PER AMS 4025 OR AMS 4027 OR ASTM B209 REF M6061T6S.060
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.07 lbs

D4522-045 BASE, HORIZONTAL SWING ARM

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 6 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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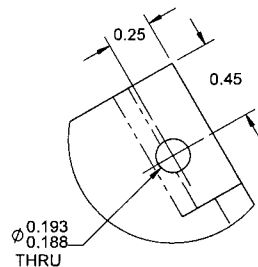
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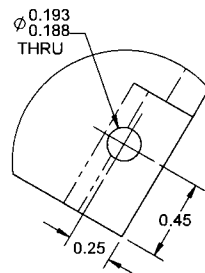
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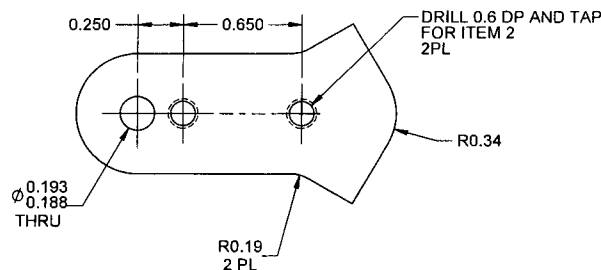
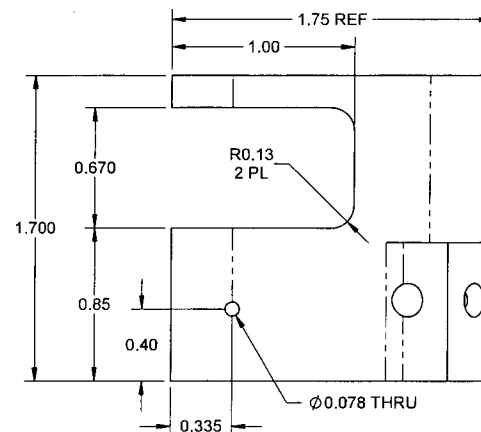
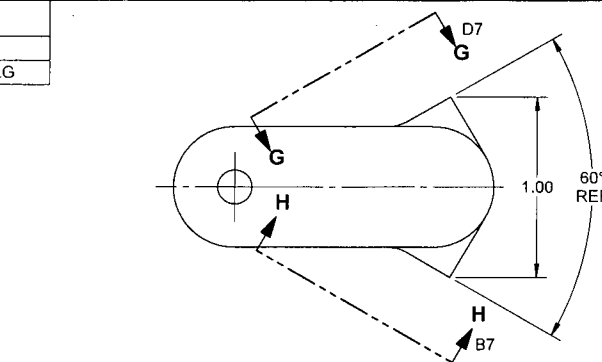
ITEM	QTY	P/N	DESCRIPTION
1	1	D4522-5	BASE, VERTICAL SWING ARM
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



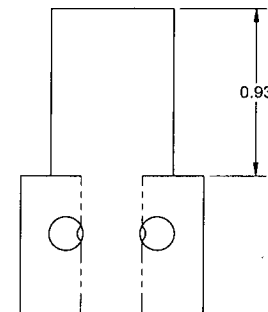
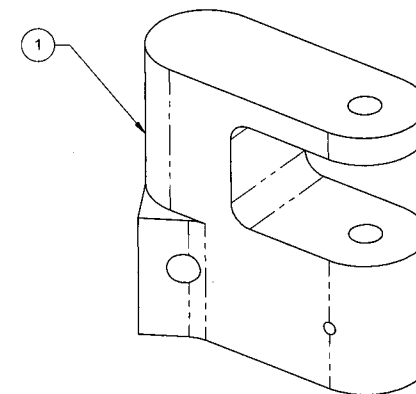
VIEW G-G D4



VIEW H-H C4



D4522-047 BASE, VERTICAL SWING ARM



NOTES:

- 1) MATERIAL: 6061-T6/T62 ALUMINUM PER AMS 4025 OR AMS 4027 OR ASTM B209 REF M6061T6S.060
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.14 lbs

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 7 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

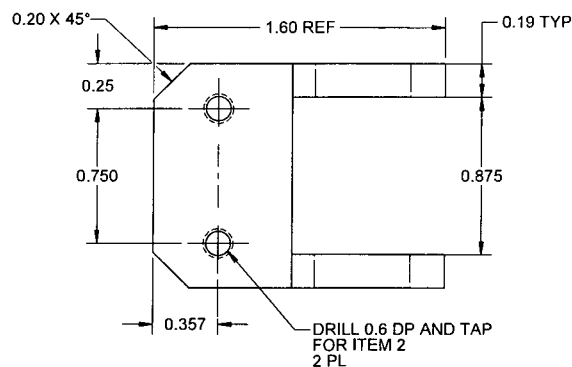
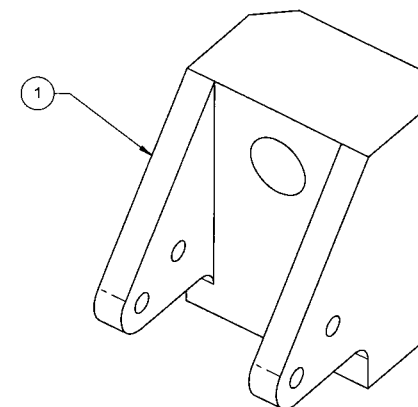
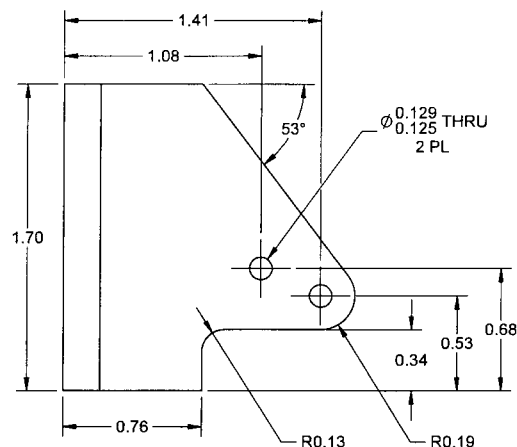
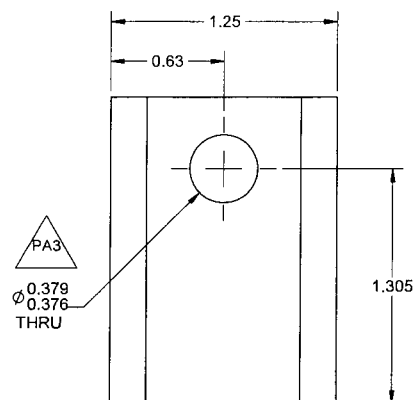
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399

ITEM	QTY	P/N	DESCRIPTION
1	1	D4522-7	BASE, LATCH SHAFT
2	2	MS21209-C0820	THREADED INSERT, 8-32 UNC X 0.33 LG



NOTES:

- 1) MATERIAL: 6061-T6/T62 ALUMINUM PER AMS 4025 OR AMS 4027 OR ASTM B209 REF M6061T6S.060
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.16 lbs

D4522-049 BASE, LATCH SHAFT

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 8 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

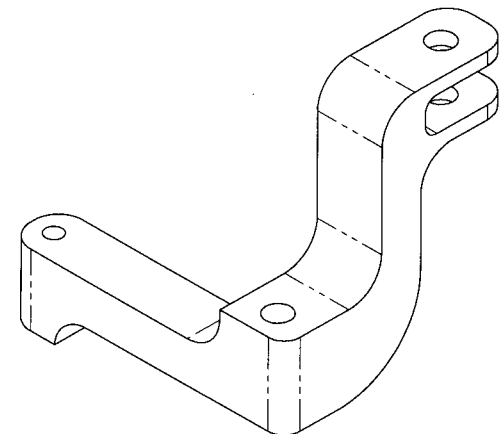
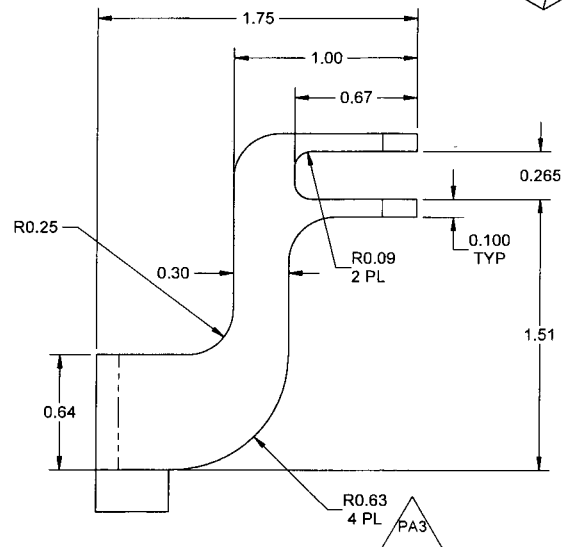
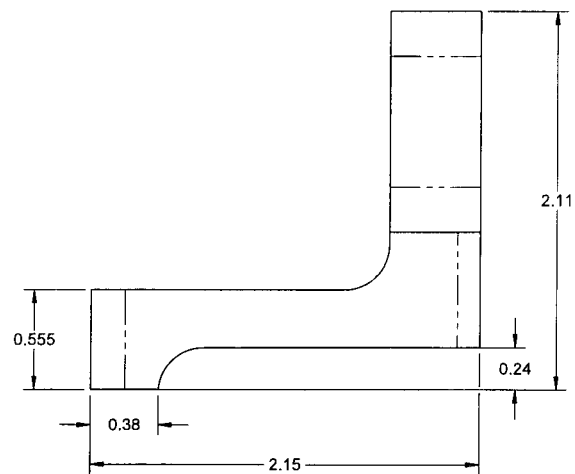
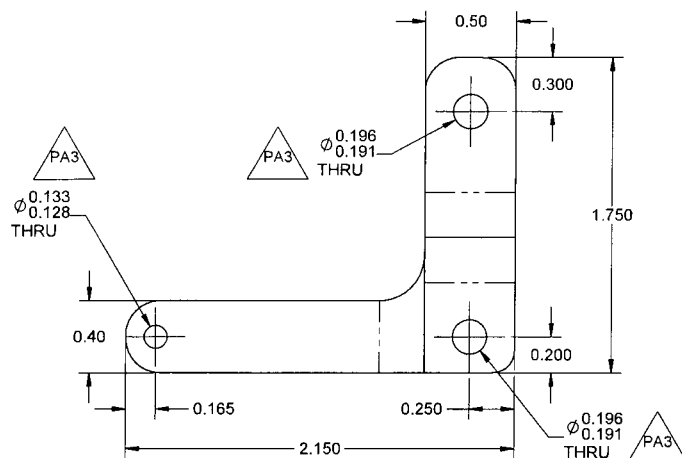
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.19 lbs

D4522-9 VERTICAL SWING ARM

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 9 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

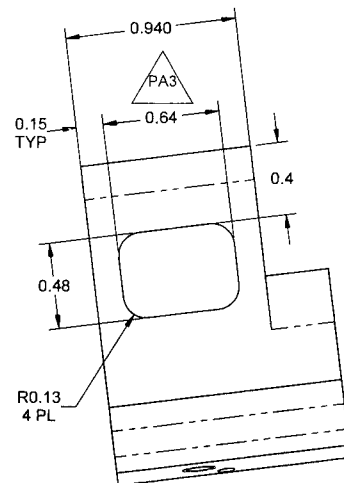
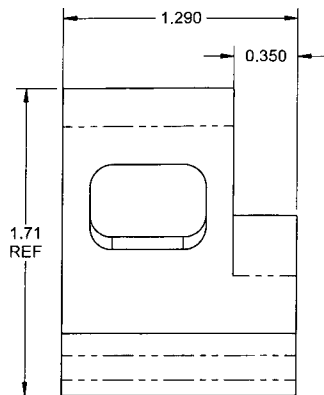
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

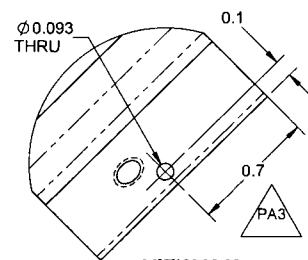
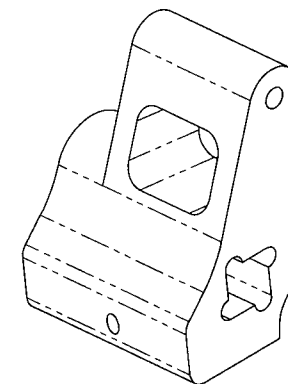
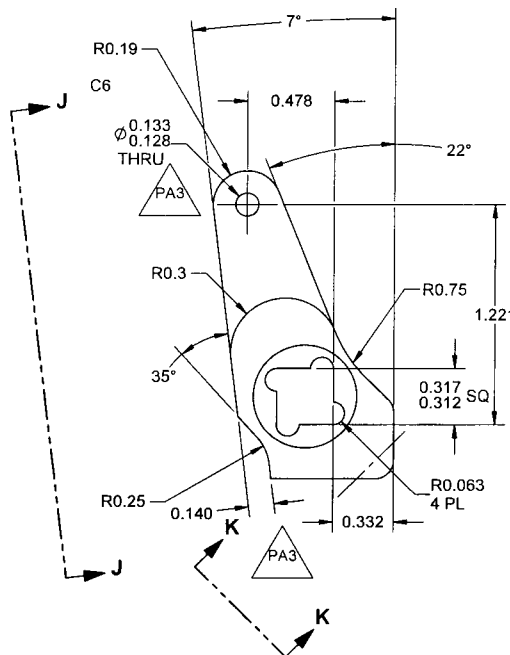
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

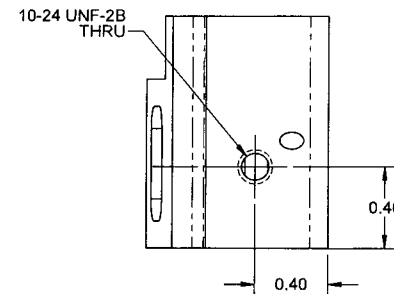
80399



VIEW J-J C4



VIEW K-K



NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.14 lbs

D4522-11 HANDLE SHAFT ARM

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 10 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

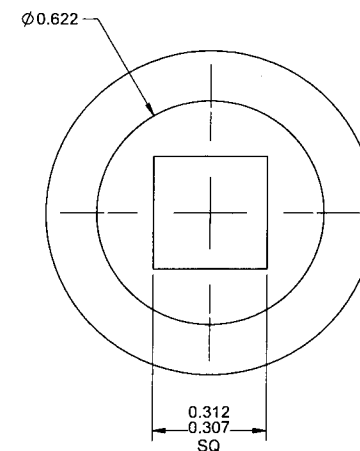
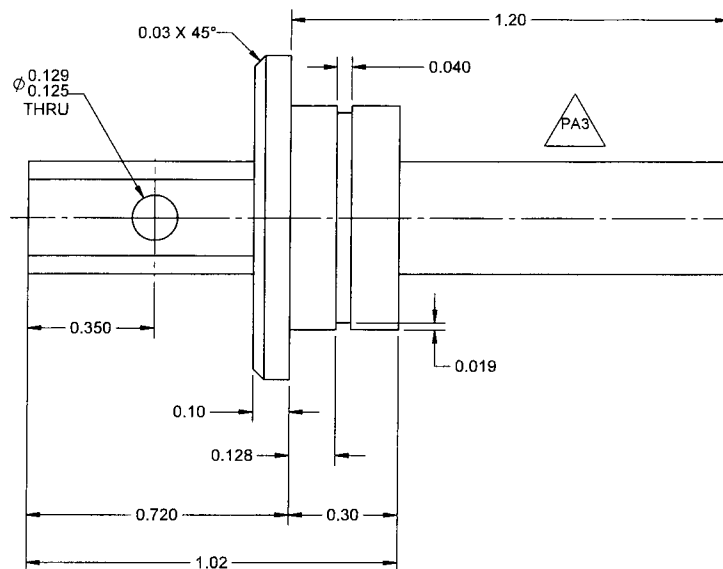
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

8 7 6 5 4 3 2



PRELIMINARY A2
12.02.15 (RP)

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582
REF DART SPEC M303R1.00 OR
AISI 304/316 SS ROUND BAR PER ASTM A276
REF DART SPEC M304R1.000
- 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.08 lbs

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. D4522 TITLE DOOR LATCH ASSY (412) COPYRIGHT © 2012 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS A PROPRIETARY OF DART AEROSPACE LTD. IT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE USED FOR ANY PURPOSE OR COMMUNICATED TO ANY OTHER PERSON WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.</small>
DRAWN	RP	
CHECKED	CP	
MFG. APPR.		
APPROVED		
DE APPR.		
DATE	12.02.15	REV. PA: _____ SHEET 11 OF 2 _____ SCALE _____ NTS _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

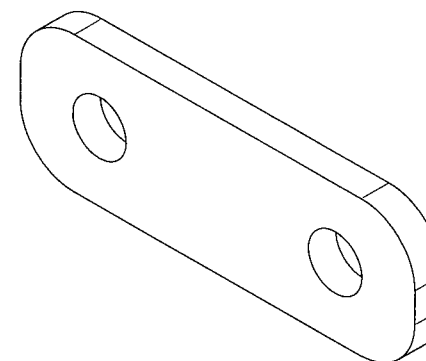
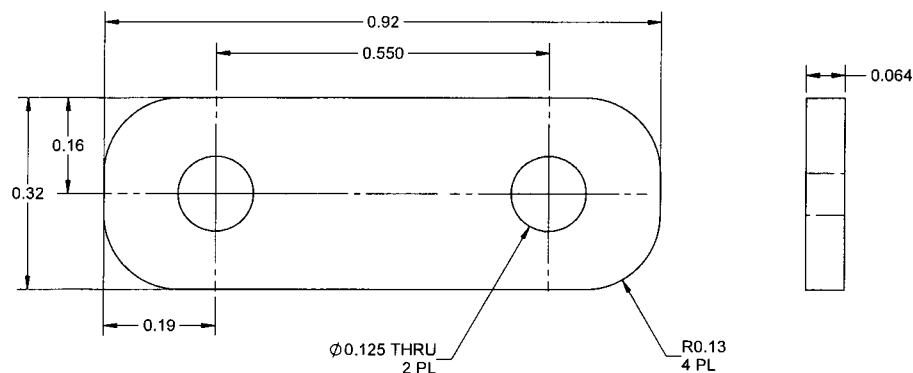
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



D4522-17 LINKAGE

NOTES:

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.01 lbs

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 12 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

Dart Aerospace Ltd

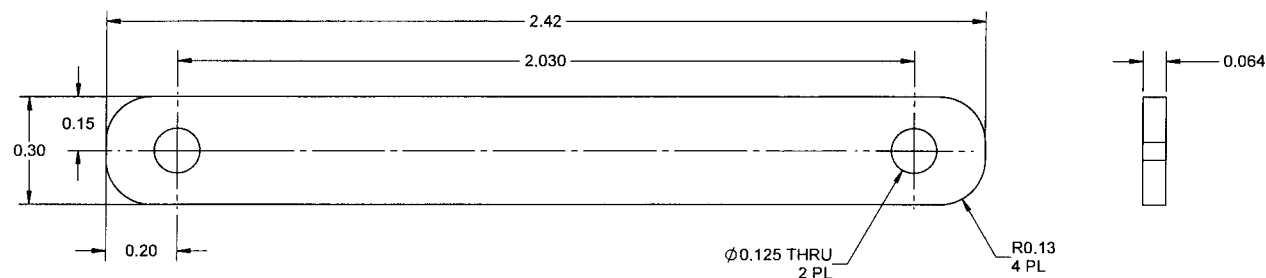
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399

**D4522-19 LINKAGE****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S16GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.01 lbs

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO. D4522	REV. PA3 SHEET 13 OF 24
MFG. APPR.		TITLE DOOR LATCH ASSY (412)	SCALE NTS
APPROVED		COPYRIGHT © 2012 BY DART AEROSPACE LTD <small>THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	
DE APPR.			
DATE	12.02.15		

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

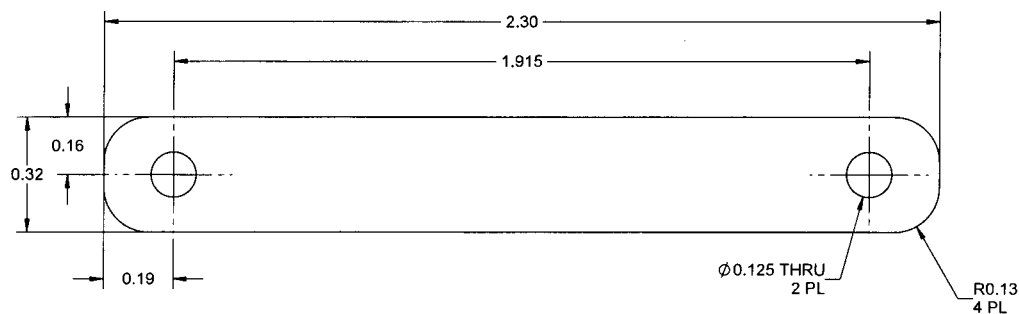
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399

**D4522-21 LINKAGE****NOTES:**

- 1) MATERIAL: AISI 304/316 SS SHEET, ANNEALED, 2B FINISH
REF DART SPEC M304S12GA
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.02 lbs

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 14 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399

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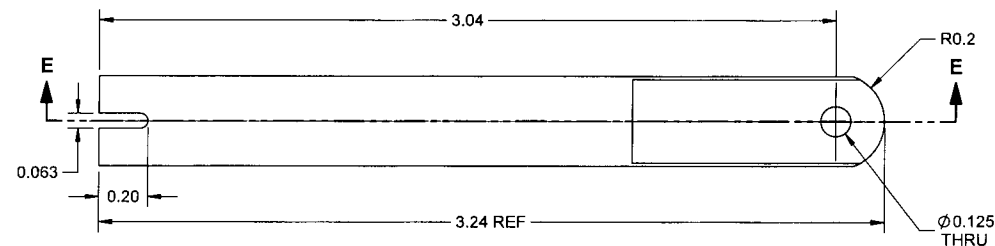
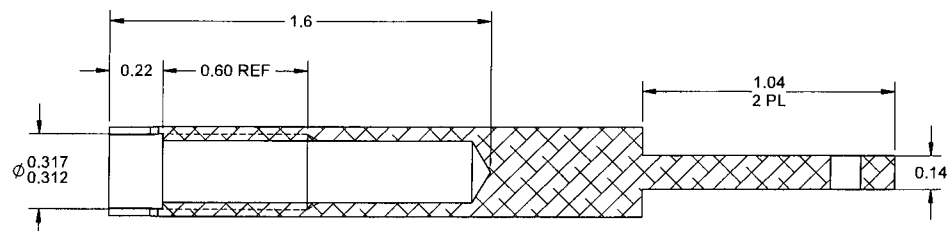
C

B

B

A

A

5/16-18 UNC-2B
0.60 DP ϕ 0.375
 ϕ 0.370

NOTES:

- 1) MATERIAL: AISI 303 SS ROUND BAR PER ASTM A582
REF DART SPEC M303B0.375 OR
AISI 304/316 SS ROUND BAR PER ASTM A276
REF DART SPEC M304R0.375
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT: N/A

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO. D4522	REV. PA3
MFG. APPR.			SHEET 15 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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PRELIMINARY A3
12.02.15 (RP)

8

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6

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3

2

1

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

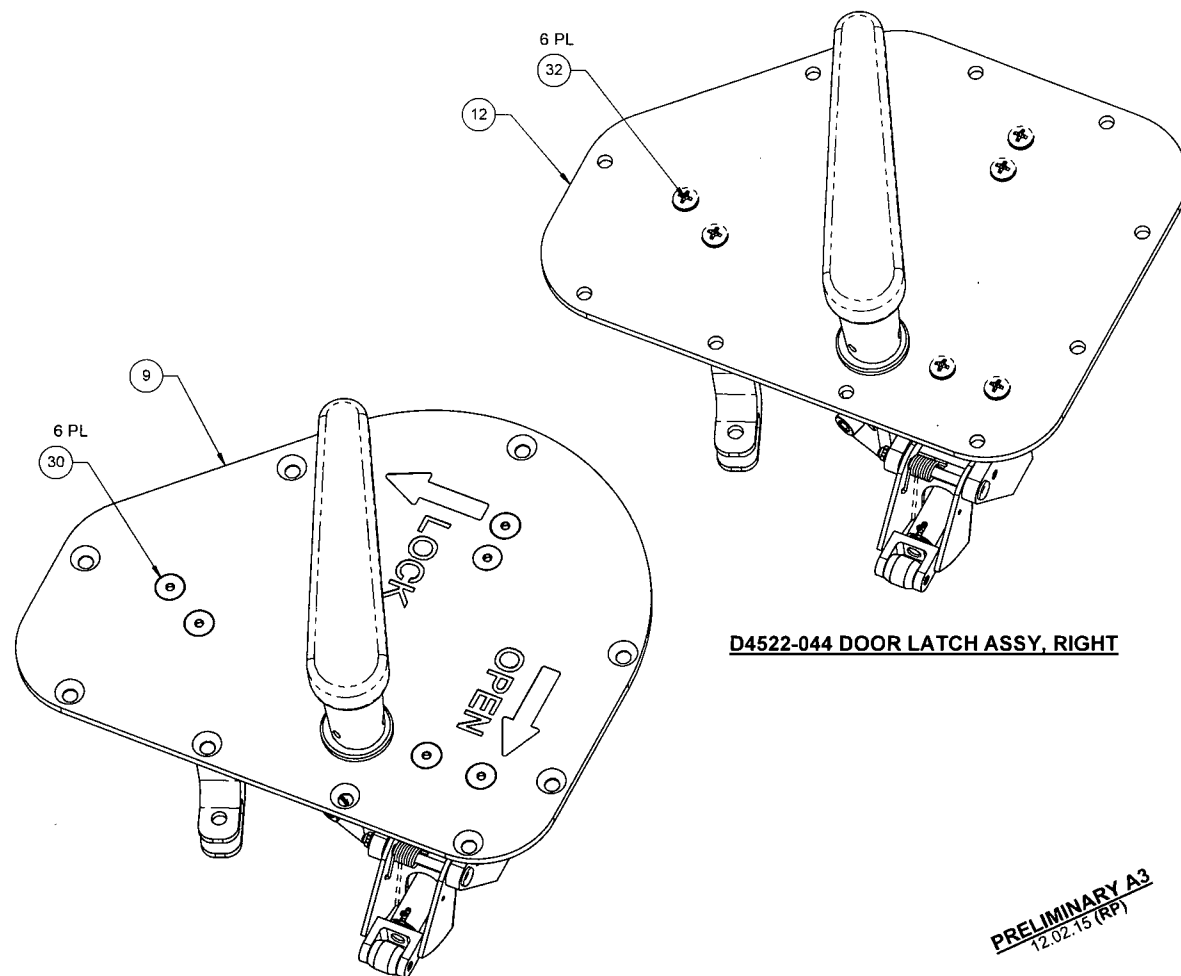
NOTE: Date & initial all entries

80399

ITEM	QTY -042	QTY -044	P/N	DESCRIPTION
	X		D4522-042	DOOR LATCH ASS'Y, RIGHT, OEM
		X	D4522-044	DOOR LATCH ASS'Y, RIGHT
1	1		D4522-045	BASE, HORIZONTAL SWING ARM
2	1		D4522-047	BASE, VERTICAL SWING ARM
3	1		D4522-049	BASE, LATCH SHAFT
4	1	1	D4522-10	VERTICAL SWING ARM
5	1	1	D4522-12	HANDLE SHAFT ARM
6	1	1	D4522-13	HANDLE SHAFT ADAPTER
7	2	2	D4522-17	LINKAGE
8	2	2	D4522-19	LINKAGE
9	1		D4522-2	BASE PLATE, OEM
10	2	2	D4522-21	LINKAGE
11	1	1	D4522-25	LATCH SHAFT
12		1	D4522-31	BASE PLATE
13	1	1	D4529-041	HORIZONTAL SWING ARM
14	1	1	D4530-041	LATCH ROLLER
15	1	1	D4531-1	LATCH SHAFT BRACKET
16	1	1	D4574	INTERIOR L-HANDLE, MODIFIED
17	1	1	LE045005S	EXTENSION SPRING (LEE SPRING)
18	1	1	MS-20995-C20	LOCK WIRE
19	1	1	MS16562-193	SPRING PIN
20	1	1	MS16562-223	SRPING PIN
21	1	1	MS16562-227	SPRING PIN
22	1	1	MS16624-4062	EXTERNAL RETAINING RING
23	1	1	MS20392-1P41	DRILLED PIN
24	1	1	MS20392-1R27P	DRILLED PIN
25	1	1	MS20392-1R37P	DRILLED PIN
26	4	4	MS20392-1R9P	DRILLED PIN
27	3	3	MS20392-2R41P	DRILLED PIN
28	7	7	MS24665-151	COTTER PIN
29	2	2	MS24665-155	COTTER PIN
30	6		MS24671-14	SCREW, FL-HD, HEX, #8
31	1	1	MS24674-13	DRILLED CAP SCREW, #10
32		6	MS51957-43	SCREW, PN-HD, #8
33	5	5	NAS1149-C-N432-R	FLAT WASHER
34	1	1	NAS42DD628FC	SPACER
35	1	1	T032-180-156L	TORSION SPRING

NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY PER DART QSI 044
- 7) WEIGHT: 2.0 lbs
- 8) INSTALL ALL COTTER PINS AND LOCK WIRE IN ACCORDANCE WITH MS33540
- 9) OEM VERSION DEPICTED IN DRAWING
- 10) SHEETS 22 -24 ARE FOR REFERENCE ONLY AND ARE ONLY **RECOMMENDED** ASSEMBLY STEPS



D4522-042 DOOR LATCH ASSY, RIGHT, OEM

D4522-044 DOOR LATCH ASSY, RIGHT

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 16 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

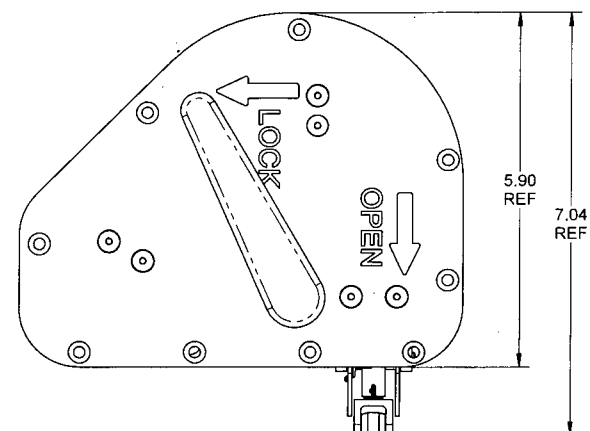
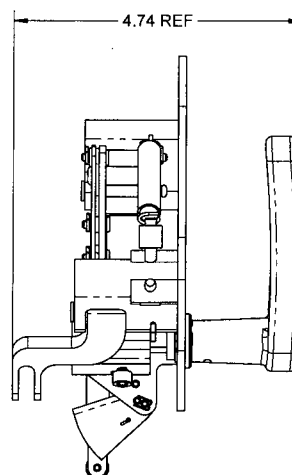
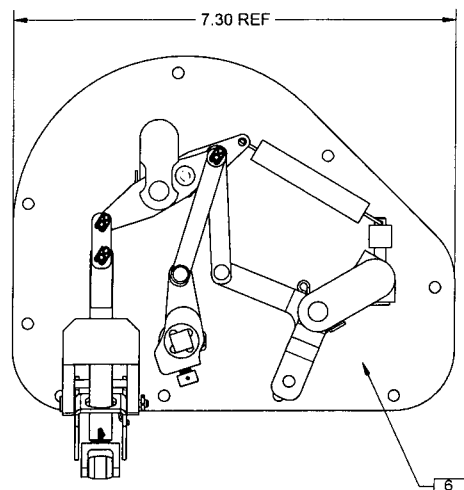
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

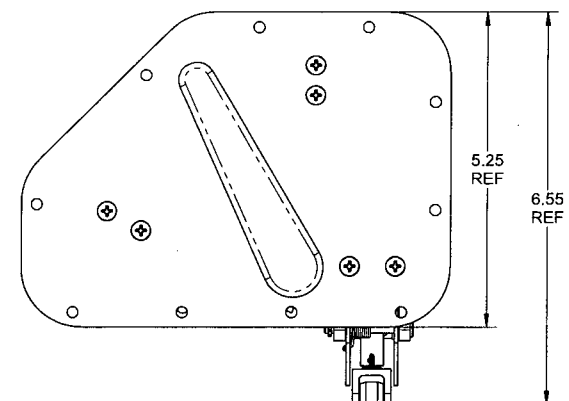
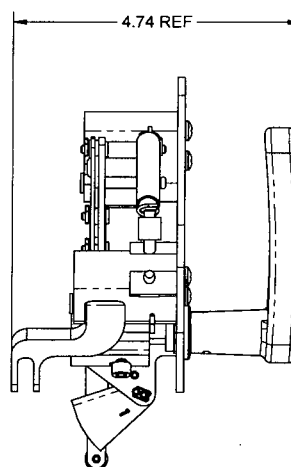
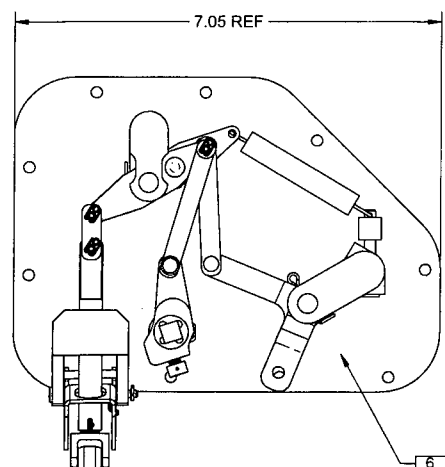
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



D4522-042 DOOR LATCH ASSY, RIGHT, OEM



D4522-044 DOOR LATCH ASSY, RIGHT

PRELIMINARY A3
12.02.15 (RP)

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 17 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
DATE	12.02.15	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

[illegible]

SECTION F-F B5

—BASE PLATE
HIDDEN FOR
CLARITY

PRELIMINARY A3
12.02.15 (RP)

DESIGN		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DRAWING NO. REV. PA3 D4522 SHEET 18 OF 24 TITLE SCALE DOOR LATCH ASSY (412) NTS COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.
DRAWN		
CHECKED		
MFG. APPR.		
APPROVED		
DE APPR.		
DATE	12.02.15	

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

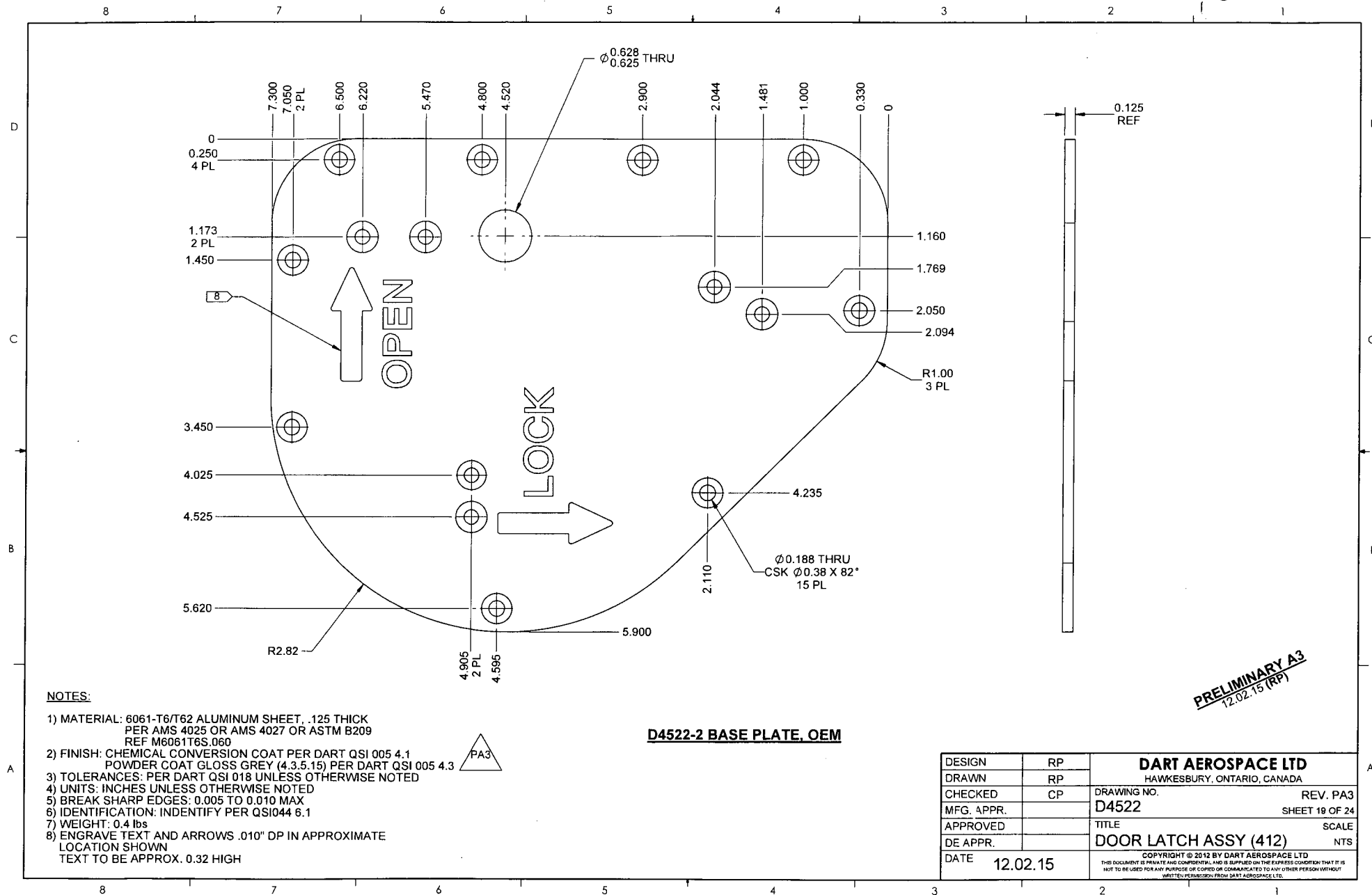
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

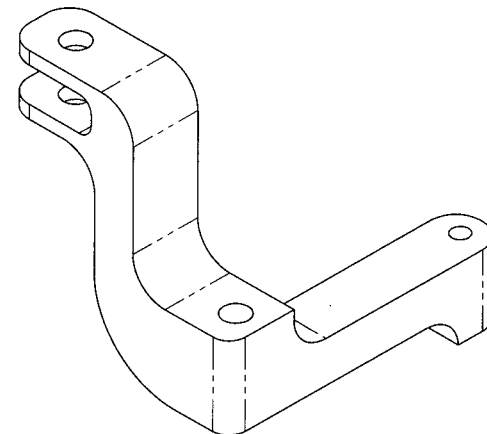
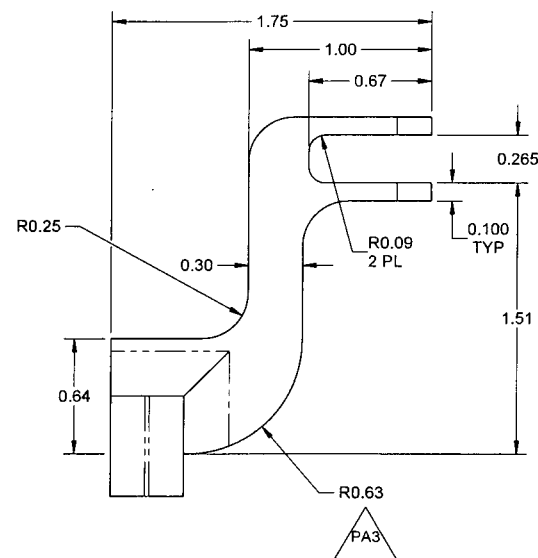
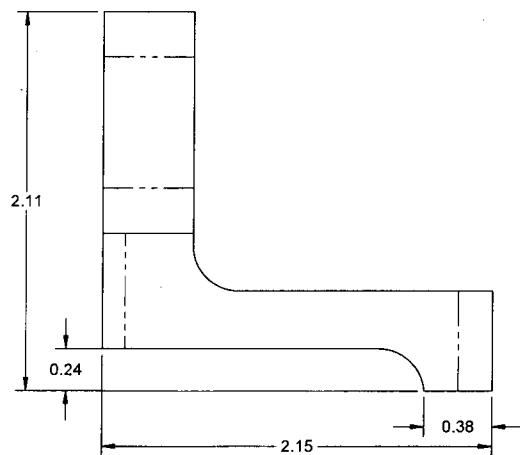
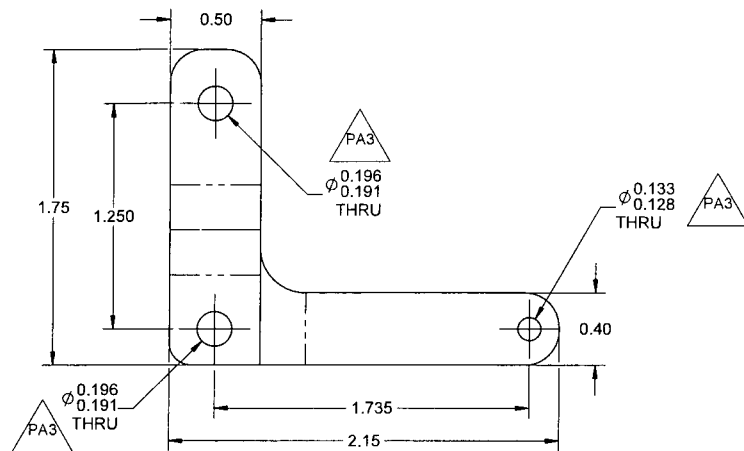
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QS! 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.19 lbs

D4522-10 VERTICAL SWING ARM

DESIGN	RP	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	RP		
CHECKED	CP	DRAWING NO. D4522	REV. PA3
MFG. APPR.			SHEET 20 OF 24
APPROVED		TITLE DOOR LATCH ASSY (412)	SCALE NTS
DE APPR.		COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	12.02.15		

PRELIMINARY A3
12.02.15 (RP)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

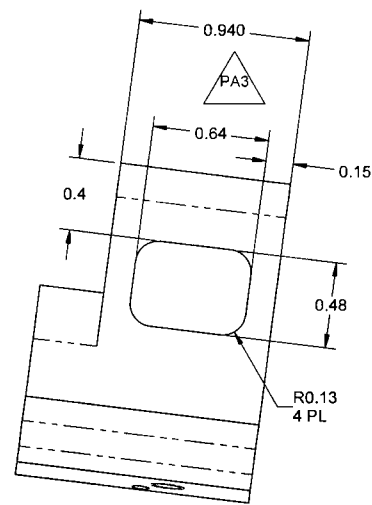
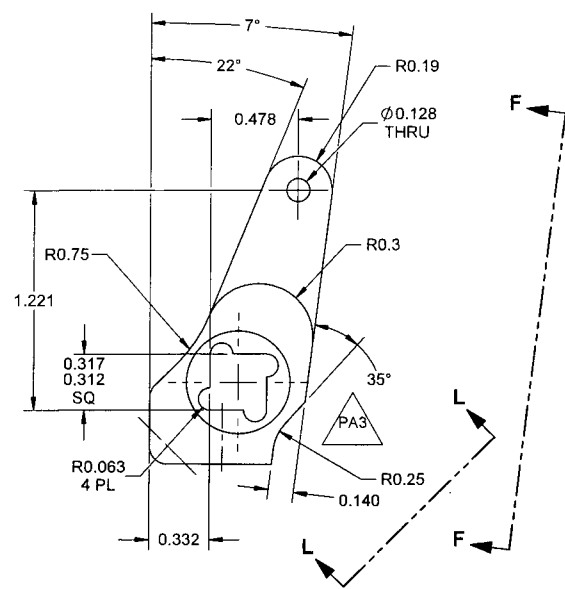
Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

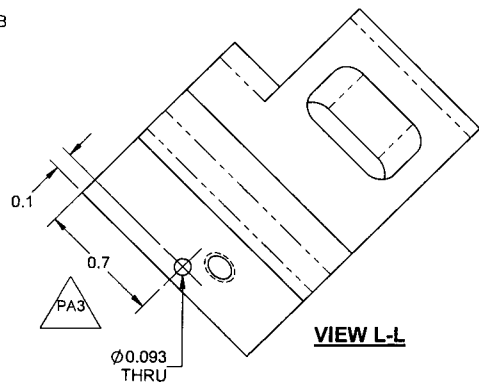
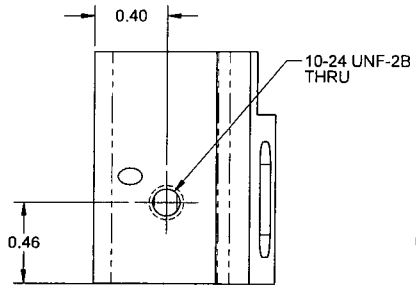
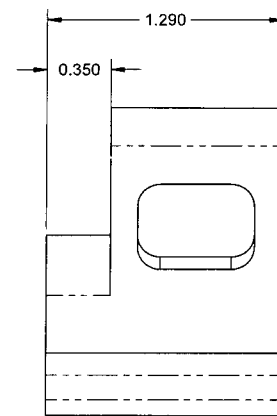
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

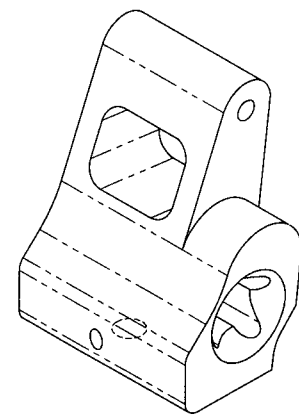
80399



VIEW F-F



VIEW L-L



PRELIMINARY A3
12.02.15 (RP)

NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI044 6.1
- 7) WEIGHT: 0.14 lbs

D4522-12 HANDLE SHAFT ARM

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	CP	DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 21 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

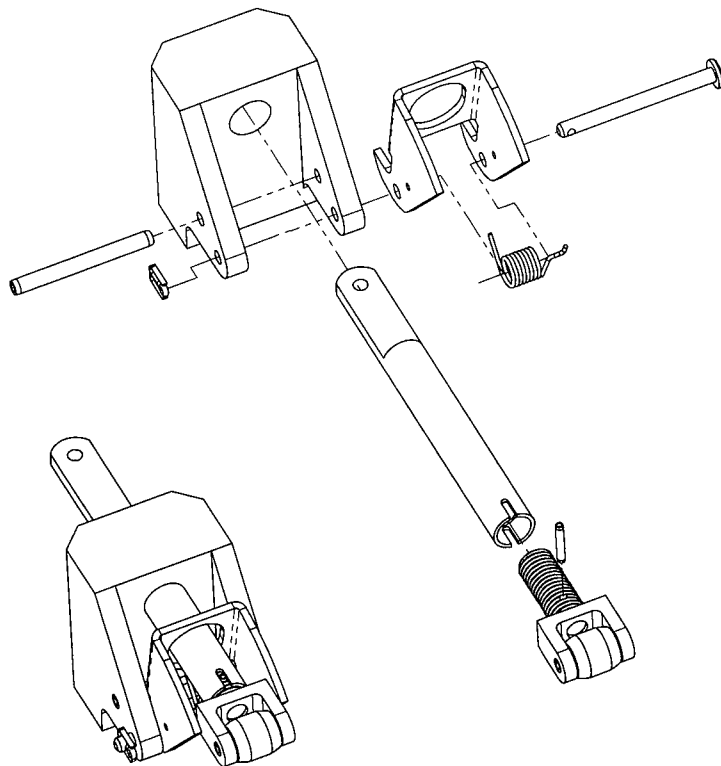
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

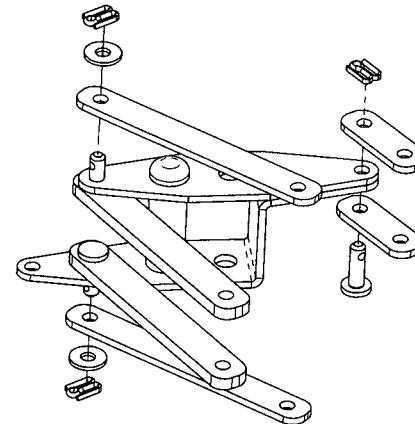
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

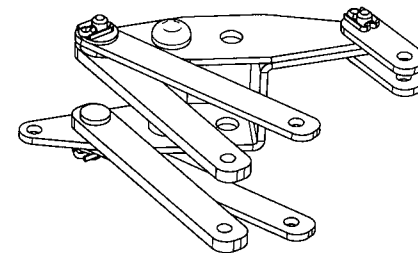
80399



RECOMMENDED ASSEMBLY STEP #1A
(LATCH SUB-ASSEMBLY)



RECOMMENDED ASSEMBLY STEP #1B
(LINKAGE SUB-ASSEMBLY)



DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 22 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

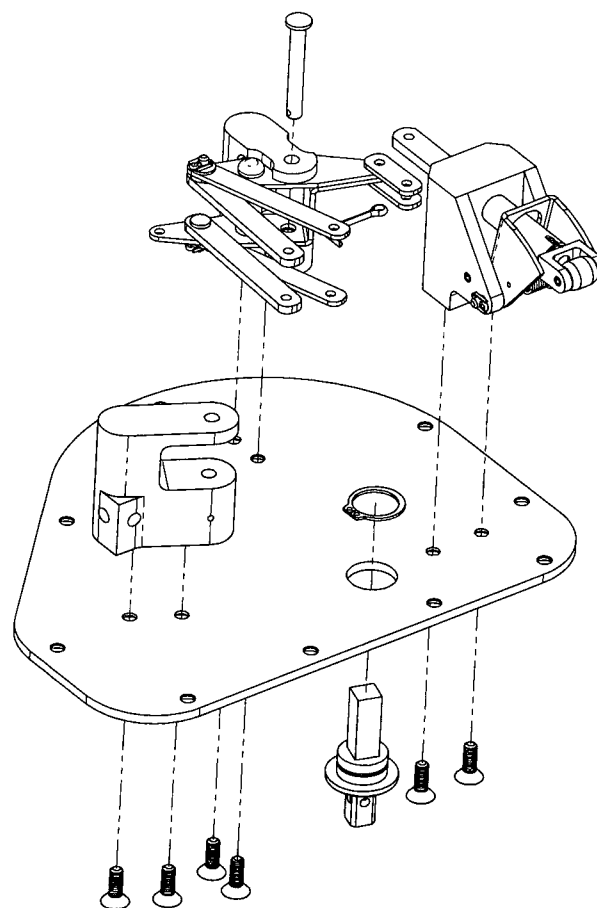
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80399



RECOMMENDED ASSEMBLY STEP #2
(MAIN COMPONENTS TO BASE PLATE)

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA3
MF'G. APPR.		D4522	SHEET 23 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

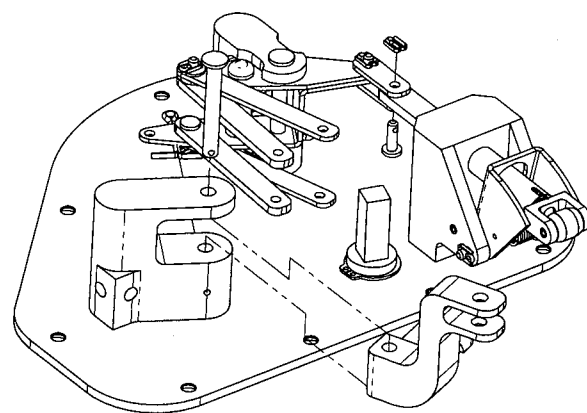
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Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

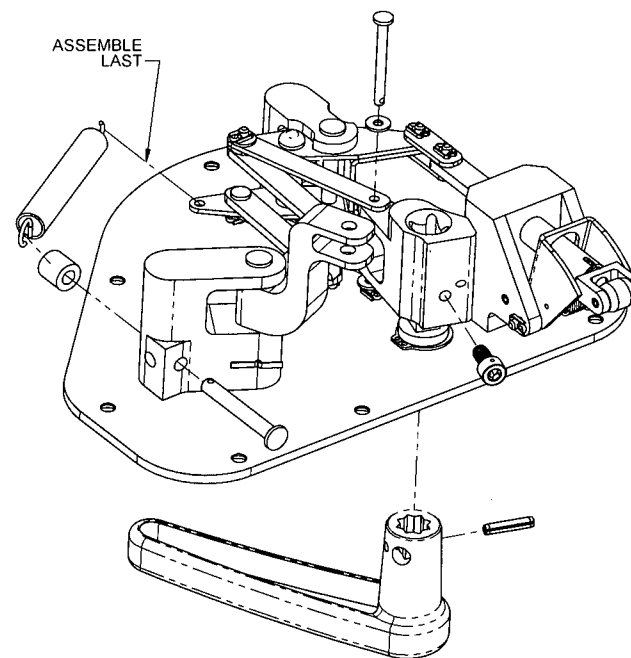
NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

80395



RECOMMENDED ASSEMBLY STEP #3
(VERTICAL SWING ARM, TENSION SPRING, LATCH LINKAGE)



RECOMMENDED ASSEMBLY STEP #4
(HORIZ SWING ARM & HANDLE)

DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA3
MFG. APPR.		D4522	SHEET 24 OF 24
APPROVED		TITLE	SCALE
DE APPR.		DOOR LATCH ASSY (412)	NTS
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

DAN'S PRECISION TOOLS INC.

2560 Devine Road, Vars, ON K0A3H0
Tel: (613) 835-3097 Fax: (613) 835-3760
support@dans-precision-tools.com

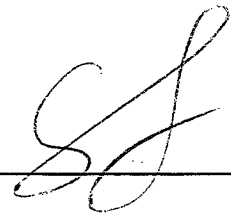
RE: CERTIFICATE OF COMPLIANCE

To: DART AEROSPACE LTD.
1270 Aberdeen Street
Hawkesbury ON K6A-1K7
Tel: (613) 632-5200
Fax: (613) 632-5246

- We Certify that the part listed below meets the intent of the Purchase Order, and all applicable drawings and specifications.

Date : 09-Apr-12
Purchase Order : PO16235
Packing Slip : 11282
Part Number : D4522-10revPA3
Quantity : 1

Per: _____



For Dan's Precision Tools Inc.

DAN'S PRECISION TOOLS INC.

Customer: DART AEROSPACE LTD.

P.O.: PO16235

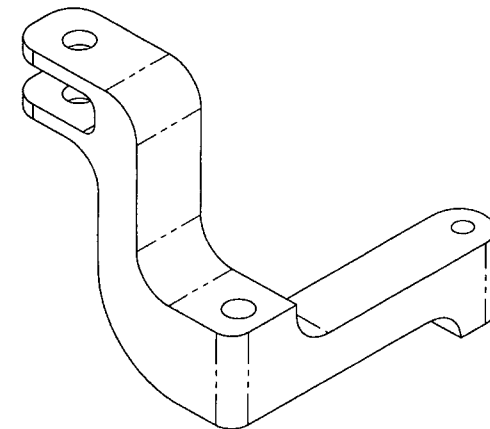
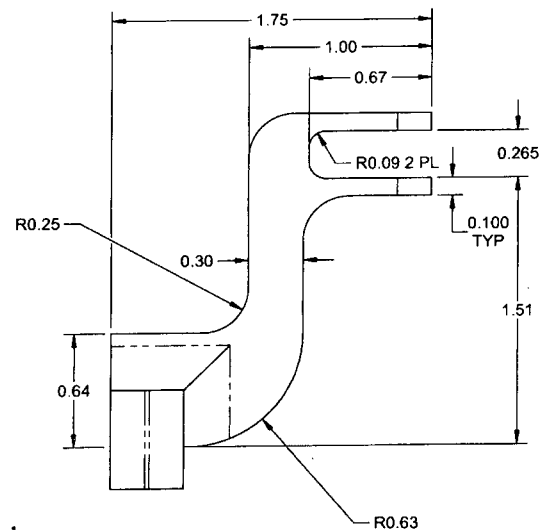
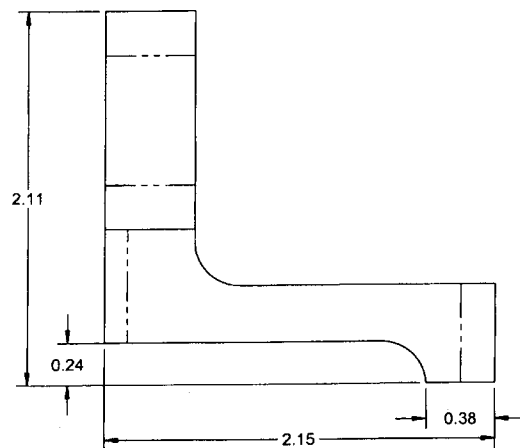
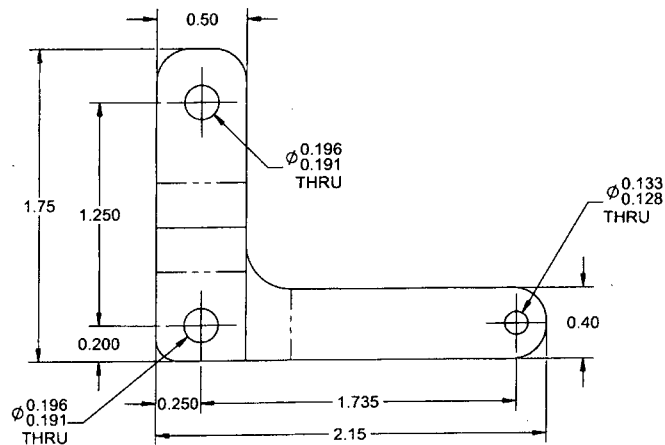
W/O: _____

Part #: D4522-10 rev PA3

Vertical Swing Arm

Qty: 1

1 of 1



NOTES:

- 1) MATERIAL: AISI 303 SS BAR PER ASTM A582
REF DART SPEC M303B OR
AISI 304/316 SS BAR OR PLATE
PER ASTM A276 OR ASTM A240
REF DART SPEC M304B
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: PER DART QSI 044 6.6 OR 6.7
- 7) WEIGHT: 0.19 lbs
- 8) PROFILE PER DWG FILE "D4522-10-RevB.STP"

D4522-10 VERTICAL SWING ARM

DESIGN	RP	DART AEROSPACE LTD	
DRAWN	RP	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	D4522	SHEET 13 OF 23
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	DOOR LATCH ASSY (412)	NTS
DATE	12.04.17	<small>COPYRIGHT © 2012 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

80399

RELEASED
2012-06-13